GOVERNMENT OF INDIA
WATER RESOURCES, RIVER DEVELOPMENT AND GANAGA REJUVENATION
LOK SABHA

UNSTARRED QUESTION NO:3473
ANSWERED ON:23.03.2017
Water University
Siddeshwara Shri Gowdar Mallikarjunappa

Will the Minister of WATER RESOURCES, RIVER DEVELOPMENT AND GANAGA REJUVENATION be pleased to state:

(a) whether the Government is encouraging research in the fields of water management and its conservation technology;

(b) if so, the details thereof along with the progress made in these fields during the last three years;

(c) whether the Government proposes to set up a water university; and

(d) if so, the details thereof?

Answer

THE MINISTER OF STATE FOR WATER RESOURCES, RIVER DEVELOPMENT AND GANGA REJUVENATION
(DR. SANJEEV KUMAR BALYAN)

(a) & (b) Yes, government is encouraging research in the fields of water management and its conservation technology;

Ministry of Water Resources, RD & GR is sponsoring research projects by funding the academic / research institutes through three Indian National Committees (INCs) on Surface Water, Ground Water and Climate Change under its planned scheme "Research & Development (R&D) Programme in Water Sector".

? Under Indian National Committee on Surface Water (INCSW), presently there are total six R&D Schemes in hand in the field of water management and its conservation technology.
? Under Indian National Committee on Climate Change (INCCC), the Ministry of Water Resources, River Development & Ganga Rejuvenation invited research project proposals from premier academic & research institutions of the country for thorough studies on "impact of Climate Change in river basins and downscaling studies for future predictions" under INCCC. Among the above invited projects, seven studies on impact of climate change on water resources and one downscaling study have already been approved by MoWR, RD&GR.

? Under Indian National Committee of Ground Water (INCGW) at present there are 3 ongoing and 5 under completion Schemes.

The details are given in Annexure.

(c) & (d) The proposal for setting up a water university is presently not under consideration of the Ministry.

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ANNEXURE

ANNEXURE REFERRED TO IN REPLY TO PART (a) & (b) OF UNSTARRED QUESTION NO. 3473 TO BE ANSWERED ON 23.03.2017 IN LOK SABHA REGARDING "WATER UNIVERSITY".

Project No. Name of the Project Name of PI & Institute Status
Indian National Committee on Surface Water (INCSW)
1 Development of an Indigenous Automated Micro Irrigations System. Dr. Neelam Patel (PI), WTC, IARI, New Delhi Ongoing

2 Water use efficiency studies of Mangalam Irrigation Project Babu Methew, (PI), Training, Education and Extension Division, CWRDM, Kunnamangalam, Kozhikode (Kerala) Ongoing

3 Efficiency Study of Damodar Left Bank Irrigation System and Strategies for Integrated Command Area Water Management. Dr. Anirban Dhar, (PI), Indian Institute of Technology Kharagpur Ongoing

4 Conjunctive use planning of water resources considering spatial variation in cropping pattern using remote sensing & GIS Dr. Deepak Khare, (PI), IIT, Roorkee Ongoing

5 Standardization of Drip Irrigation and Fertigation Schedules with and without mulch in Fruit Crops (Apple and Apricot) of Himalayan Region Dr.Pardeep Kumar (PI) University of Horticulture and Forestry Nauni (Solan) Ongoing

6 Augmentation of water resources through water harvesting in hill areas Dr.Ghanshyam Agarwal (PI), Dr. Y.S. Parmar University, Solan, H.P. Ongoing

Indian National Committee on Climate Change (INCCC)

RP-1 Impact Assessment of Climate Change on Hydro-meteorological processes and Water Resources of Mahanadi River Basin Prof VV Srinivas, IISc Bangalore

The release of first Instalment of grant is in process

RP-2 Climate Change Impact Studies for Rajasthan (Area of Inland Drainage and Mahi basin Dr Mahendra Chaudhary (PI), & Dr Arindum Sarkar, (Co-PI), IIT Bhubneshwar The release of first Instalment of grant is in process

RP-4 Impact of Climate Change on Water Resources of Tapi Basin Dr P L Patel, (PI), SVNIT Surat, Dr Devesh Sharma (Co-PI), CUJ Ajmer & Dr B R Chahar (Co-PI), IIT Delhi The release of first Instalment of grant is in process

RP-6 Effect of Climate Change and land arse/land cover changes on spatial and temporal water availability in Subarnarekha Basin Dr. Ashok Mishra, (PI), IIT Kharagpur, Dr Rohit Goyal (Co-PI), MNIT, Jaipur & Dr Vishnu Prasad, Co-PI, MANIT Bhopal The release of first Instalment of grant is in process

RP-7 Impact of Climate Change on Water Resources of Sabarmati Basin Dr Vimal Mishra (PI), IIT Gandhinagar The release of first Instalment of grant is in process

RP-8 Impact of Climate Change on Water Resources in River Basins from Tadri to Kanyakumari Prof T I Eldoh (PI), IIT Mumbai & Dr. P L Patel (Co-PI), SVNIT Surat The release of first Instalment of grant is in process

RPD-1 Statistical Downscaling for hydro-climatic projections with CMIP5 Simulations to assess Impact of Climate Change Dr Subimal Ghosh (PI), IIT Mumbai, Prof A Mahesha (Co-PI), NIT Surakthal, Dr V P Dineshan (Co-PI), CWRDM Kozhikode, Dr A K Sharma (Co-PI), IIT Guwahati, Dr PP Majumdar (Co-PI) IISc Bangalore, Dr Vimal Mishra (Co-PI) IIT Gandhinagar, & Dr Ashu Jain, (Co-PI), IIT Kanpur

The release of first Instalment of grant is in process

Indian National Committee on Ground Water (INCGW)

1.

Ground water behaviour in Connate water areas and hard rock terrain of Orissa with respect to different schedules of pumping and varied draw-down conditions

Chief Engineer & Director, DGWS&I, Deptt. of Water Resources, Govt. of Orissa, Bhubaneshwar& Regional Director, CGWB, SER, Bhubaneshwar, Under Completion

Draft Final Report submitted

2. Spatio-temporal modelling of ground water quality using artificial neural network

Dr. K.P. Sudheer, Associate Prof., Dept. of Civil Engg., IIT Madras, Chennai Under Completion

Draft Final Report submitted

3. Assessment of hydrogeochemical impacts of shrimp farming on coastal watershed Dr. NilaRekha, Senior Scientist, Central Institute of Brackish Water Aquaculture, Chennai Under Completion

Draft Final Report submitted

4. Development of Nanofiltration Membrane Technology for Drinking Water Purification and Water Reclamation for Industrial Use Dr. Paramita Ray, Scientist, Central Salt & Marine Chemicals Research Institute, Bhavnagar, Gujarat Under Completion

Draft Final Report submitted

5. Vulnerability assessment and ground water management studies in aquifers of Pondicherry Dr. S. Chidambaram, Associate Professor, Dept. of Earth Sciences, Annamalai University,Chidambaram, Tamil Nadu, Under Completion

.Draft Final Report submitted

6. Developing a Methodology for Evaluating the Impact of Rain water harvesting in Urban Areas

Dr. G. Ravi Kumar,

Asstt. Prof. in Civil Engg, Deptt. of Chemical Engg., AC Tech Anna University, Chennai Ongoing

7. Study and Investigations on the Marble Waste Material (Marble Slurry) to remove the Arsenic from Ground Water Dr. R.N. Yadav, Lecturer,

Govt. R.R. (PG) Autonomous College, Alwar,Rajasthan Ongoing

8. Estimation of Aquifer Potential in Jharia Coal Mining Region with suitable techniques to improve the recharge Dr. P.K. Singh, Associate Professor, Department of Environmental Science &Engg., Indian School of Mines, Dhanbad Ongoing